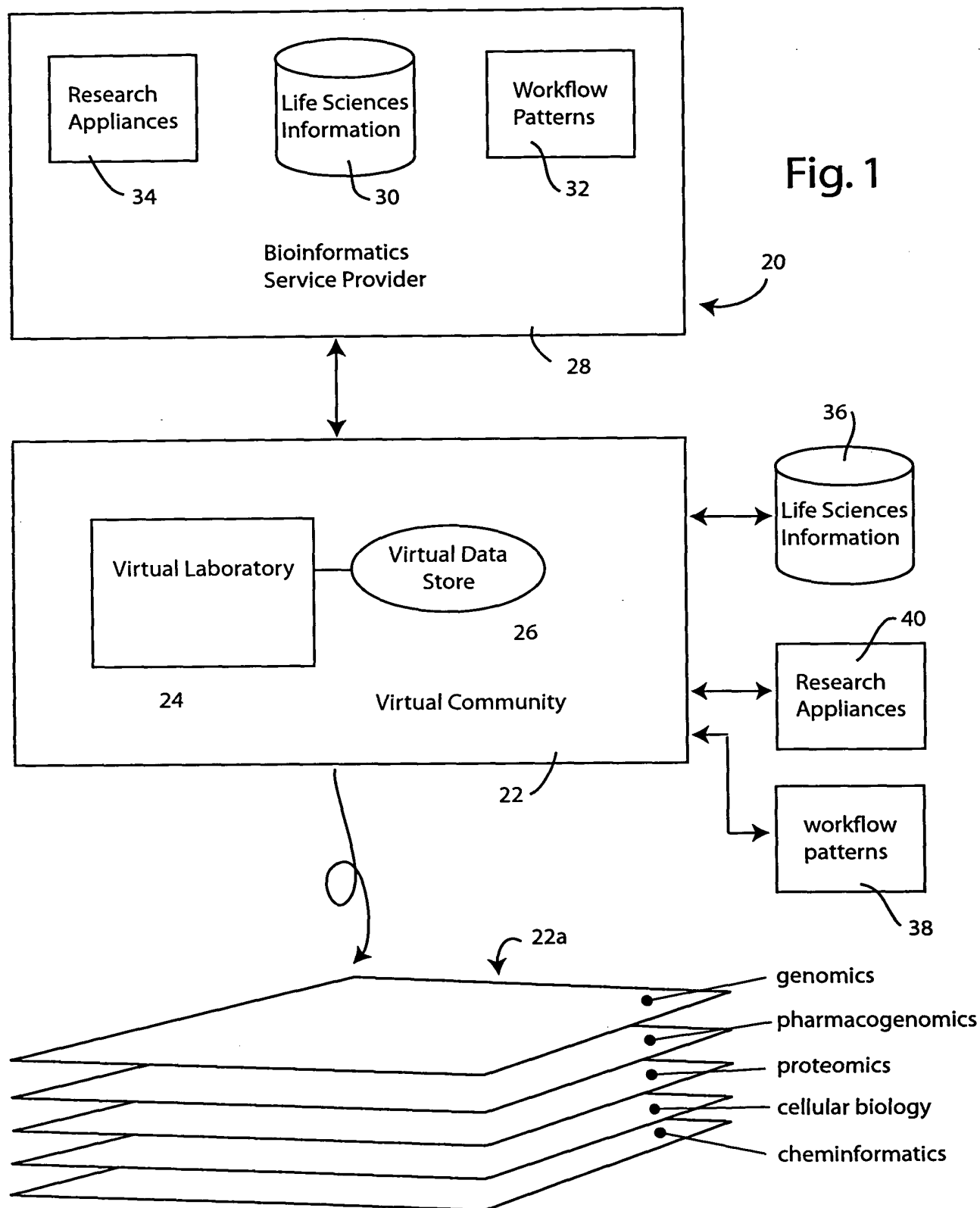


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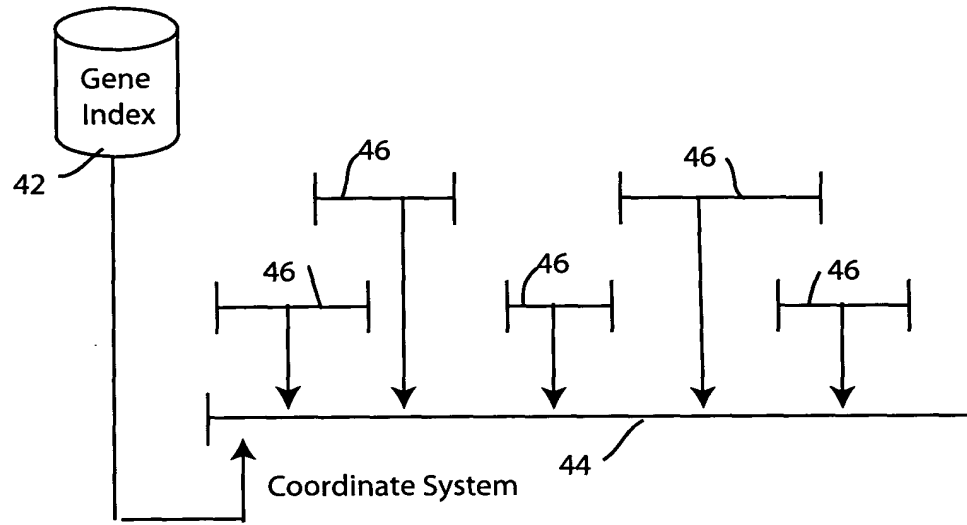


Fig. 2

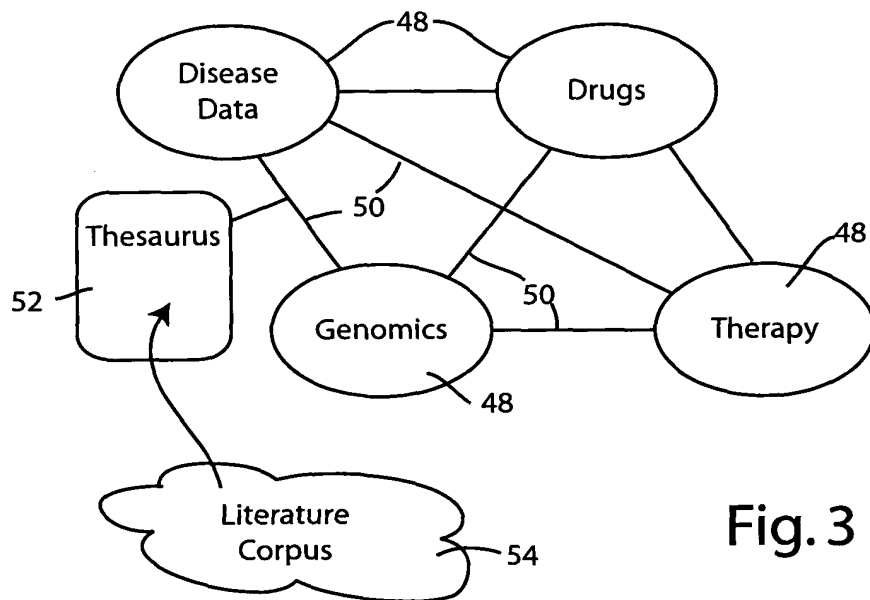


Fig. 3

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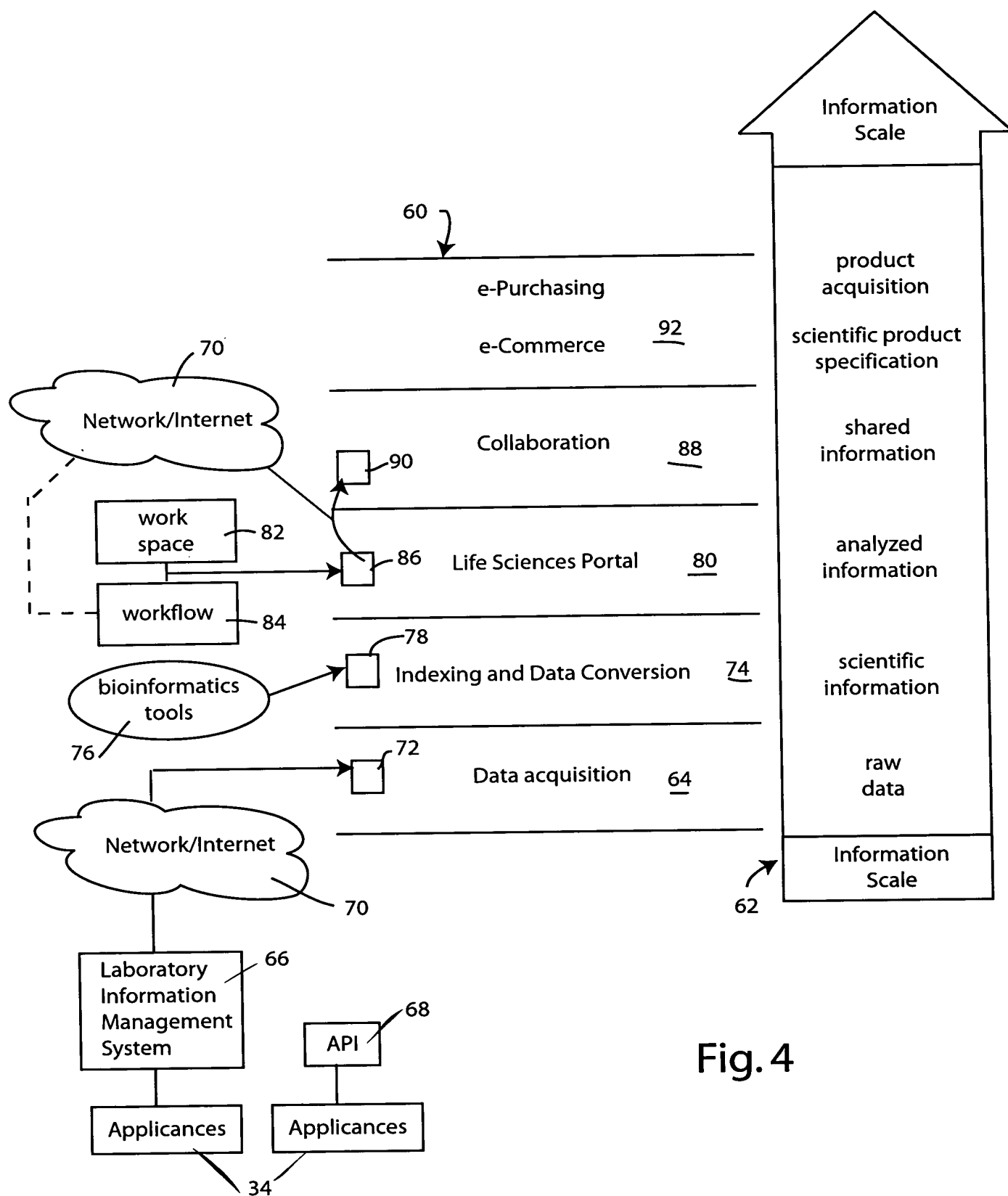


Fig. 4

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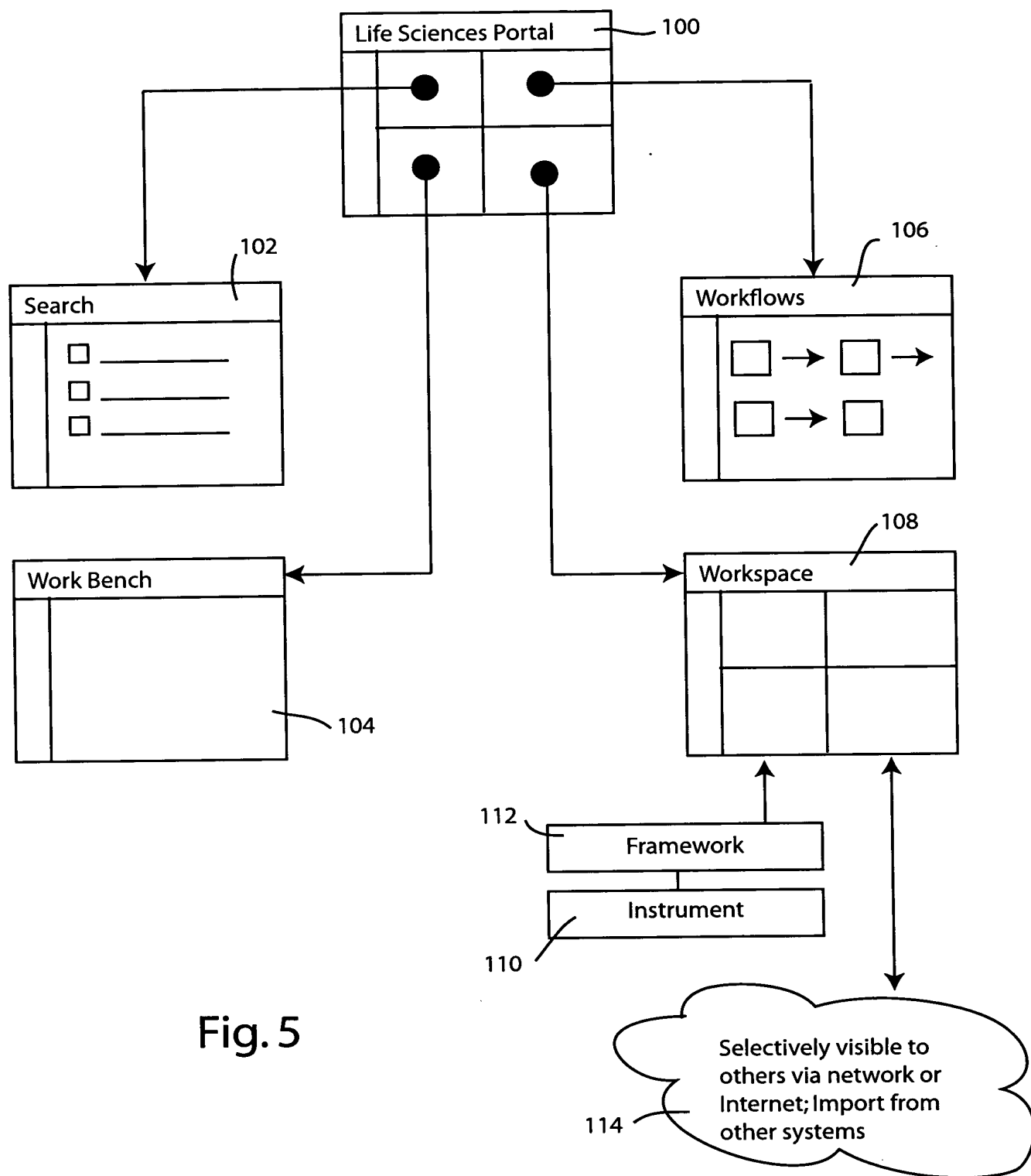


Fig. 5

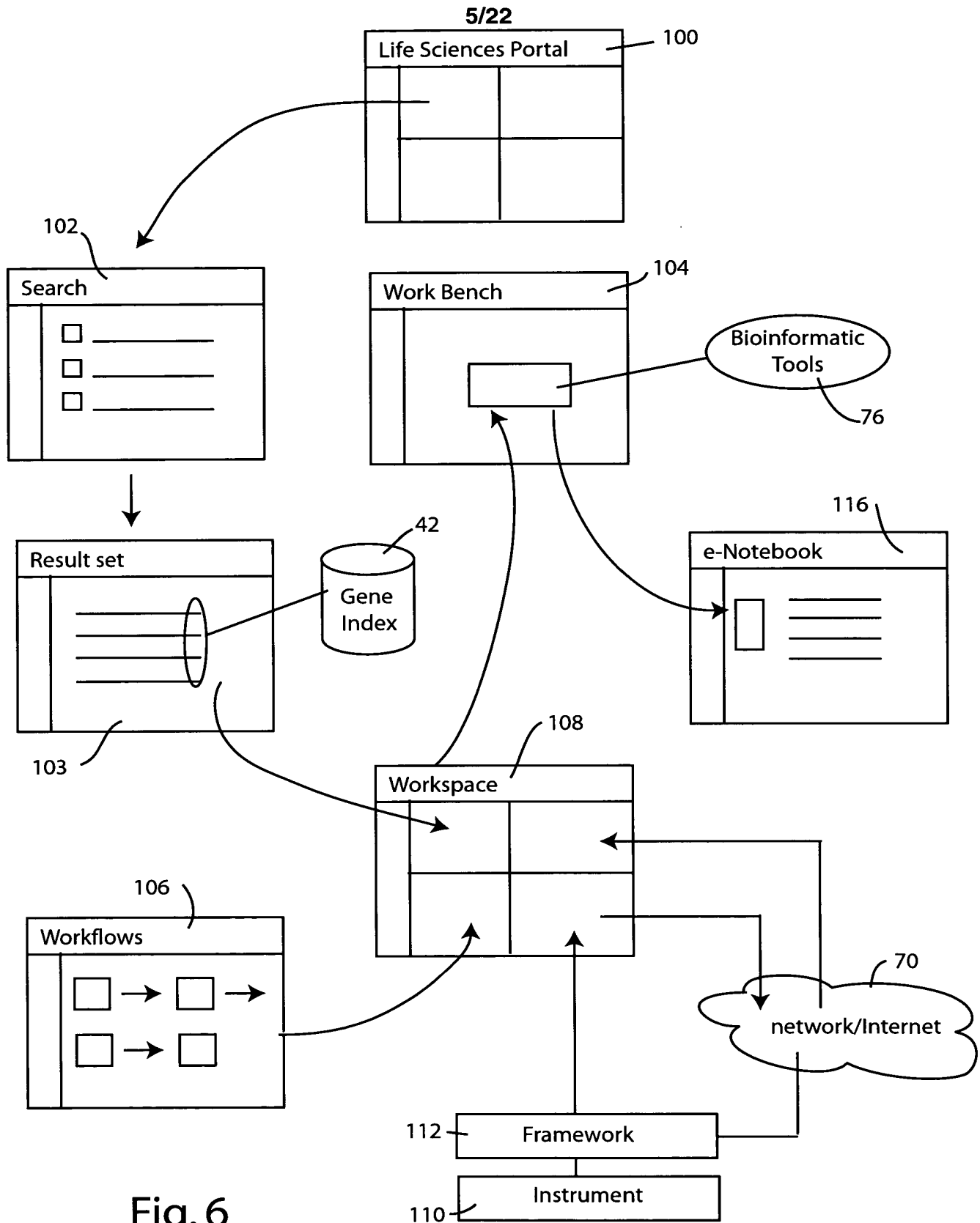


Fig. 6

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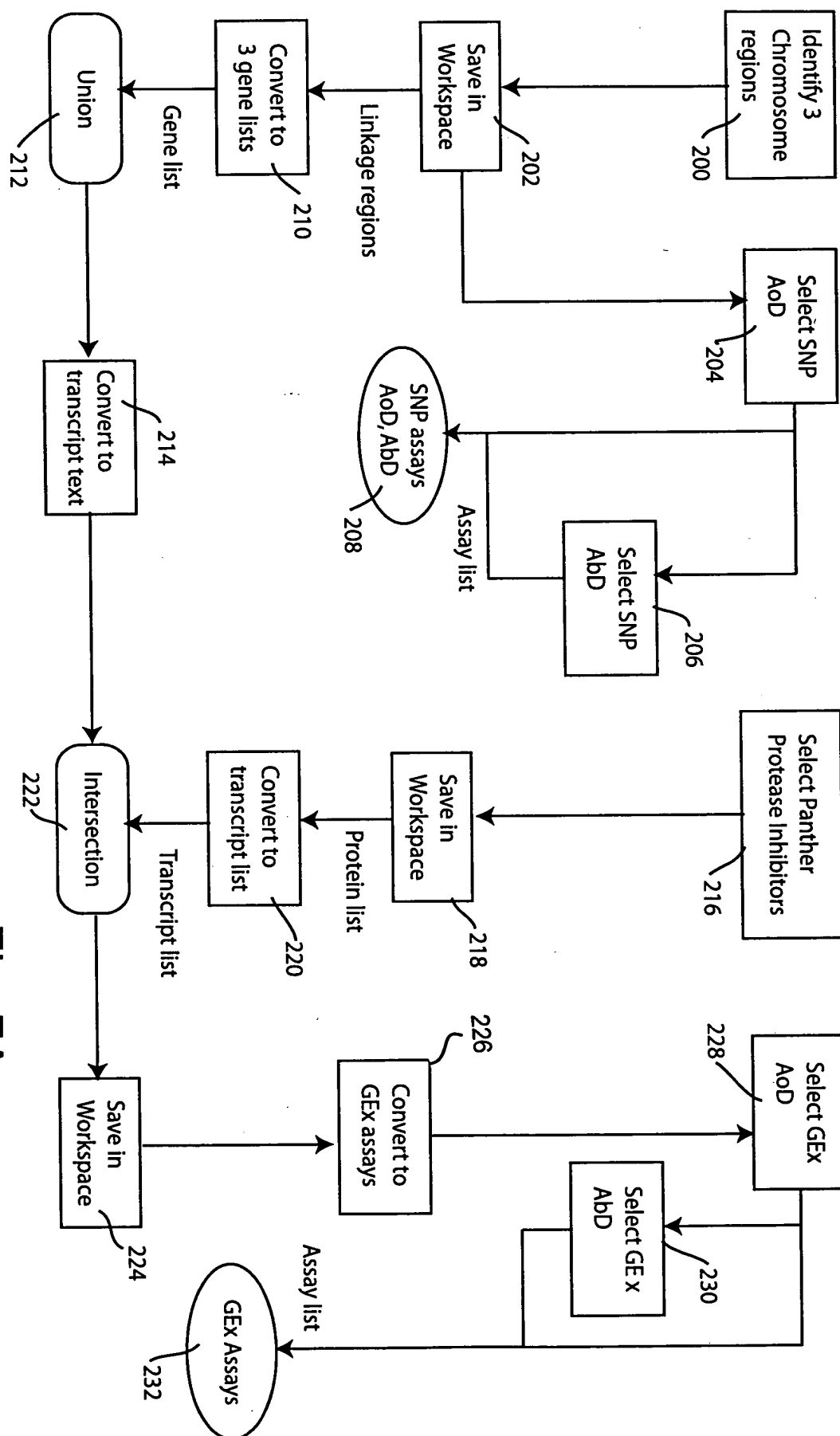


Fig. 7A

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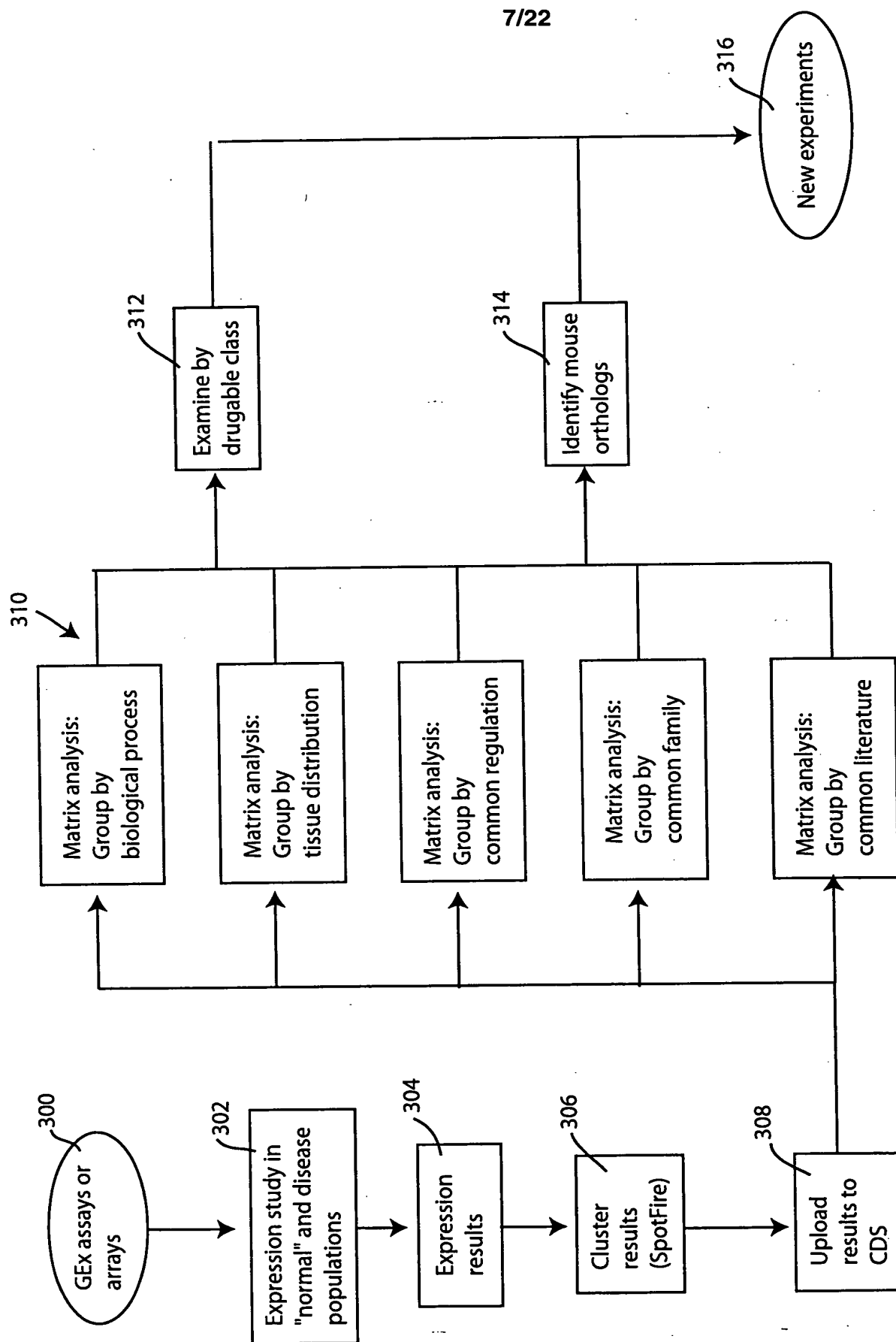
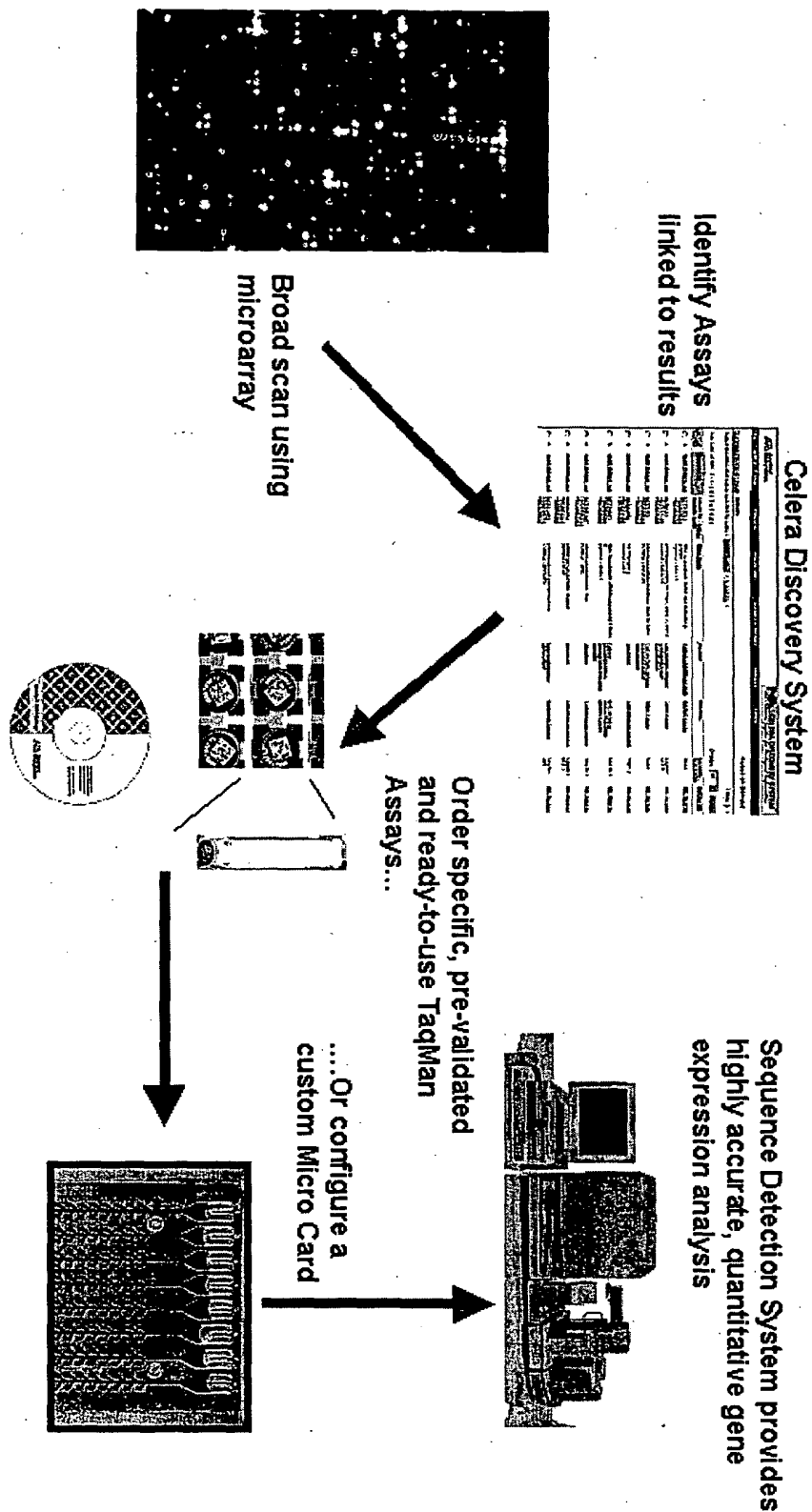


Fig. 7B

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Fig. 8



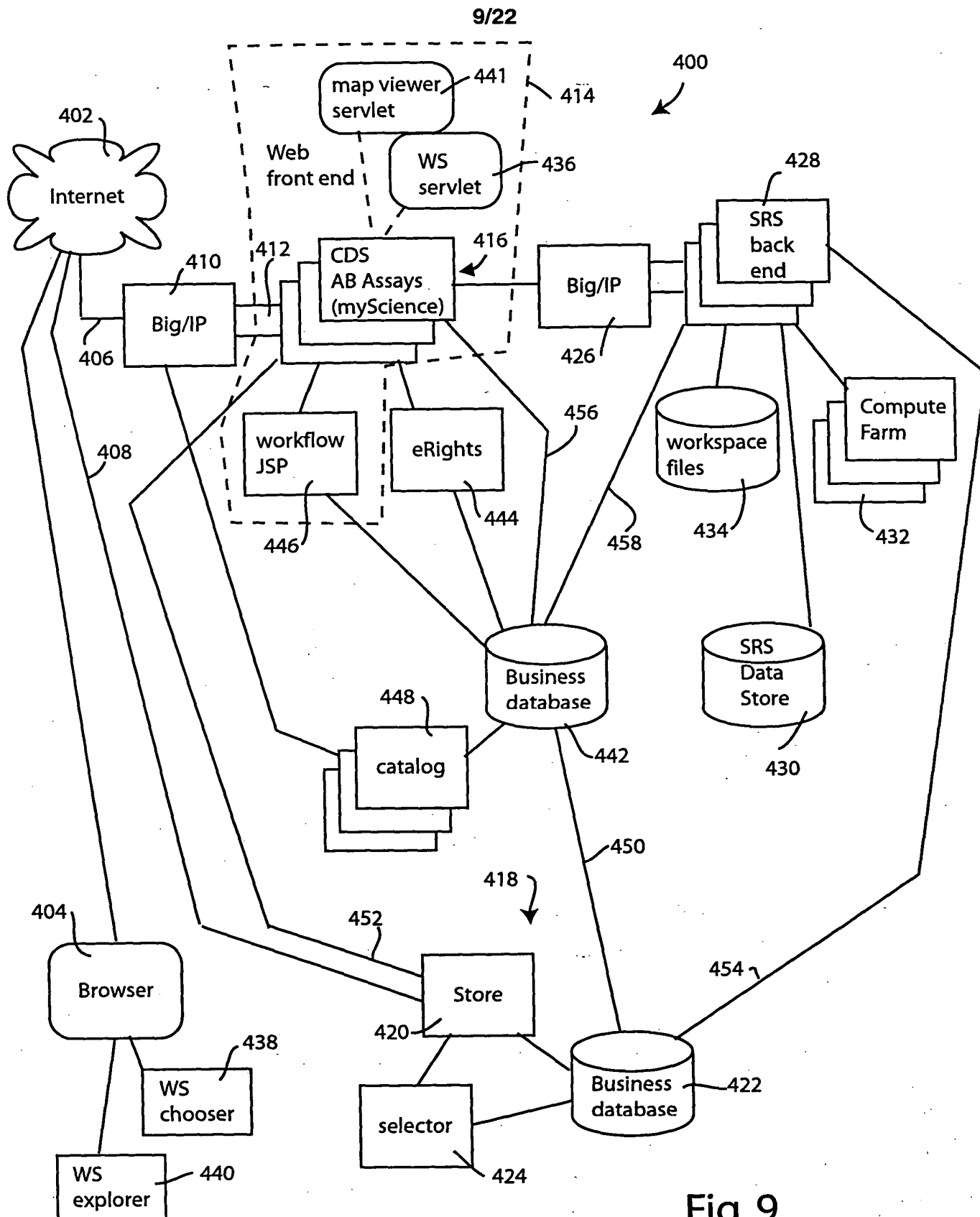


Fig. 9

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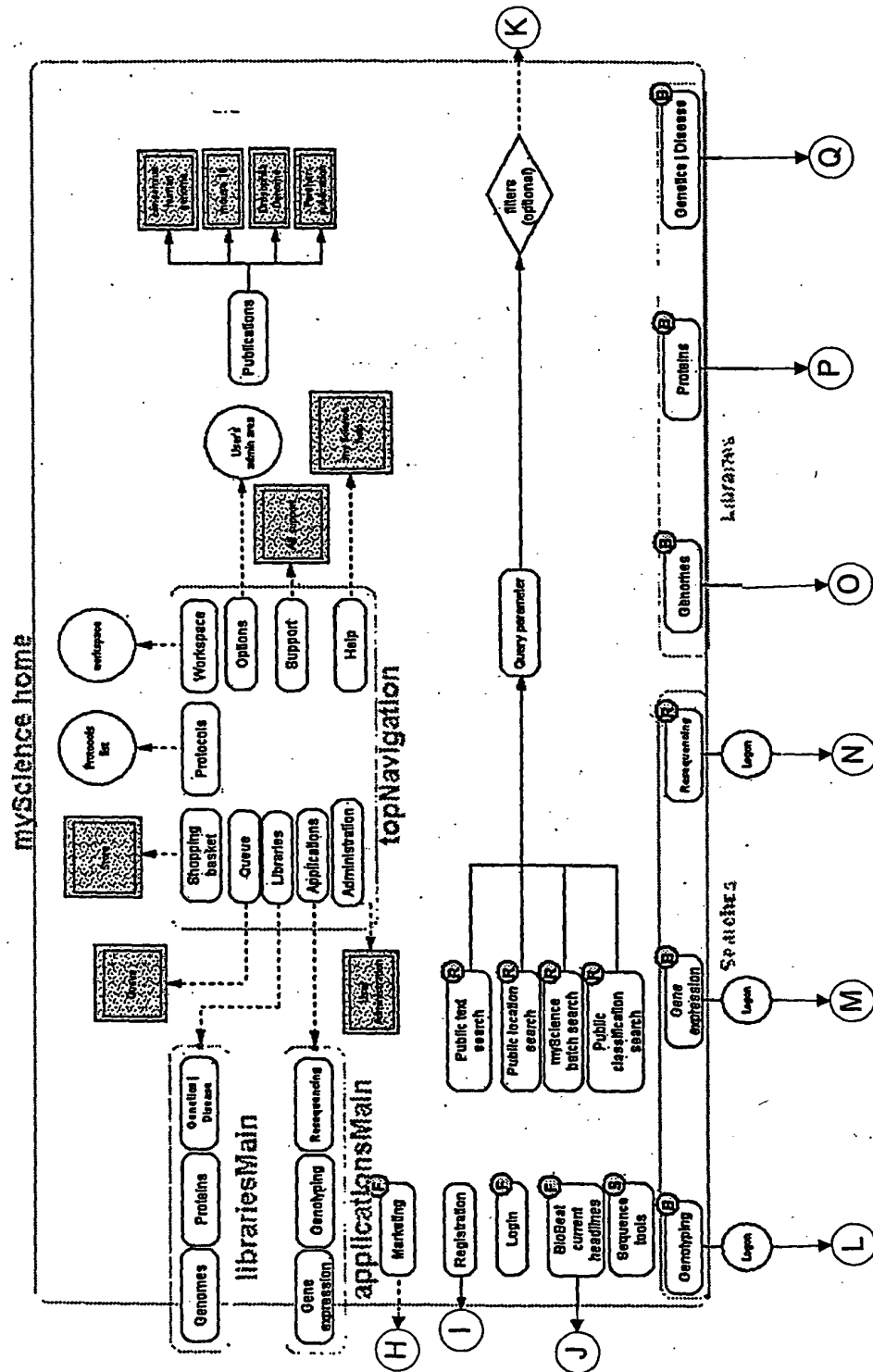


Fig. 10A

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Fig. 11

The screenshot displays the Applied Biosystems myScience website. At the top, a navigation bar includes links for 'ABOUT US', 'INVESTORS', and 'CONTACT US'. Below this, a secondary bar features 'Home', 'Products & Services', 'myScience', and 'Support'. A 'Shopping Basket' link is also present. The main content area is divided into several sections:

- 500 genomic products**: A section titled 'SELECT REAGENTS FOR EXPERIMENTS' with a sub-header 'Genomic Products'. It lists 'Gene Expression' (with links for 'Search Assays-on-Demand™ Gene Expression Products' and 'Create Micro Fluidic Cards') and 'Genotyping' (with links for 'Search Assays-on-Demand™ SNP Genotyping Products').
- 502 gene search**: A section titled 'SEARCH LOCUSLINK GENES AND VIEW GENOMIC REAGENTS'. It includes a 'Keyword Query' form with fields for 'search by:' (set to 'All Text') and 'enter terms:'. Below this, 'choose species:' options are listed with checkboxes for 'H. sapiens', 'R. Norvegicus', and 'M. musculus'. A 'search' button is at the bottom right of the form.
- 504**: A label pointing to the 'Genotyping' section in the '500 genomic products' area.
- 506 biobeat**: A link to 'ONLINE MAGAZINE'.
- 508 CELERA DISCOVERY SYSTEM**: A section featuring the Celera logo, the text 'Tools for the life science researcher.', and a promotional message: 'Don't have the full subscription to the Celera Discovery System yet? Here is what you are missing: Celera Discovery System'.

At the bottom of the page, there are links for 'libraries DATA COLLECTIONS' and 'Libraries'. A footer bar contains 'main | libraries | applications | tools | workspace' and 'options help logout'.

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AB Applied Biosystems

myScience
research environment

main | libraries | applications | tools | workspace

Home Products & Services myScience

gene expression
BUILDING YOUR QUERY

Keyword Batch ID Location Classification
Keyword Query advanced search help
search by: All Text
enter terms: brca1 use wildcard

choose species: ☒ H. sapiens ☐ M. musculus

Options
choose set membership: ☒ All Assays
☐ ABI ITN
☐ MGC
☐ ABI Control
☐ Celera Unique

search

Fig. 12

Fig. 13

Applied Biosystems

HomeProducts & ServicesmyScienceSupport

ABOUT US | INVESTORS | CONTACT US

myScience
research environment

main | libraries | applications | tools | workspace

Shopping Basket | Logout Store | My Profile

options help logout

Gene Expression
Assays-on-Demand™ products

Keyword Search : Results
Query: 'brca1' (filters: Homo_sapiens, All Assays)

To order, check one or many assays and then click add to Shopping Basket.
Display: 100 [Update] Export Results Send To Workspace Get Gene List for Selected Assays

Hits 1-6 of 6 [Page (1)]

on page

1

all

Assay ID

Public ID
Refseq | genbank mRNA

Gene Name

A Gene Symbol

Function

Process

Celera ID
(subscription required)

Location
(cytoband)

1.

Hs00184962.m1

5 transcripts
4 genbank mRNA Ids
510

BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)

BAP1

Cysteine-type protease

Proteolysis

hCG40341
• 2 transcripts

3p21.31-p21.2,

2.

Hs00184422.m1

2 transcriptsU76638

BRCA1 associated RING domain 1

BAR1

Molecular function unclassified

Biological process unclassified

hCG14827
• hCT5848

2q34-q35,

add to

My Basket

Shopping Basket

create a microcard | create a new basket

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Fig. 14

[Home](#)
[Products & Services](#)
[myScience](#)
[Support](#)

[ABOUT US](#)
[INVESTORS](#)
[CONTACT US](#)

[main](#)
[libraries](#)
[applications](#)
[tools](#)
[workspace](#)

[Shopping Basket](#)
[Logout Store](#)
[My Profile](#)

[options](#)
[help](#)
[logout](#)

myScience

research environment

Gene Expression

Assays-on-Demand™ Products

Keyword Search > Results : Assay Details

add to

Select basket or microcard ->

create a microcard

create a new basket

Assay ID : Hs00184962_m1

map view

Assay Alias : -

512

Assay Information

LocusLink Gene Name : BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)

symbol : BAP1

Celera Gene ID -

Organism : Homo sapiens

Set Membership : MSC

Interrogated Sequence -

RefSeq

Translated Protein

Exon Boundary

Assay Location

Assay Location

NM_004656

NP_004647

Exon 3

Exon 4

243

GenBank mRNA

Exon Boundary

Assay Location

IMAGE Clone ID

D88812

Exon 3

Exon 4

128

BC001596

Exon 3

Exon 4

243

D87462

Exon 3

Exon 4

252

AF045581

Exon 3

Exon 4

167

Celera

Translated Protein

hCI2283633

hCP1803095

hCI131597

hCP51928

Gene Location : 3p21.31-p21.2

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Fig. 15

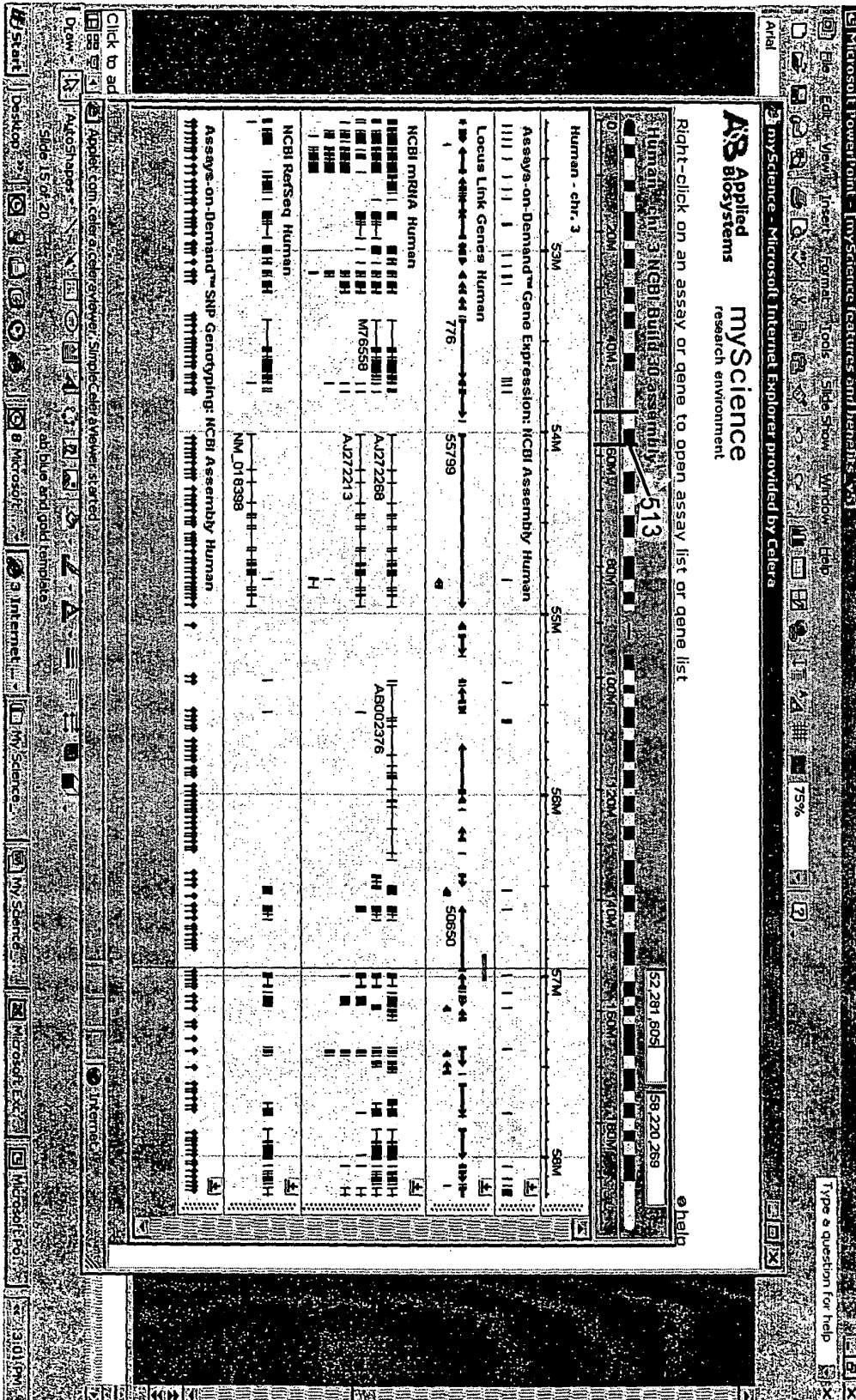
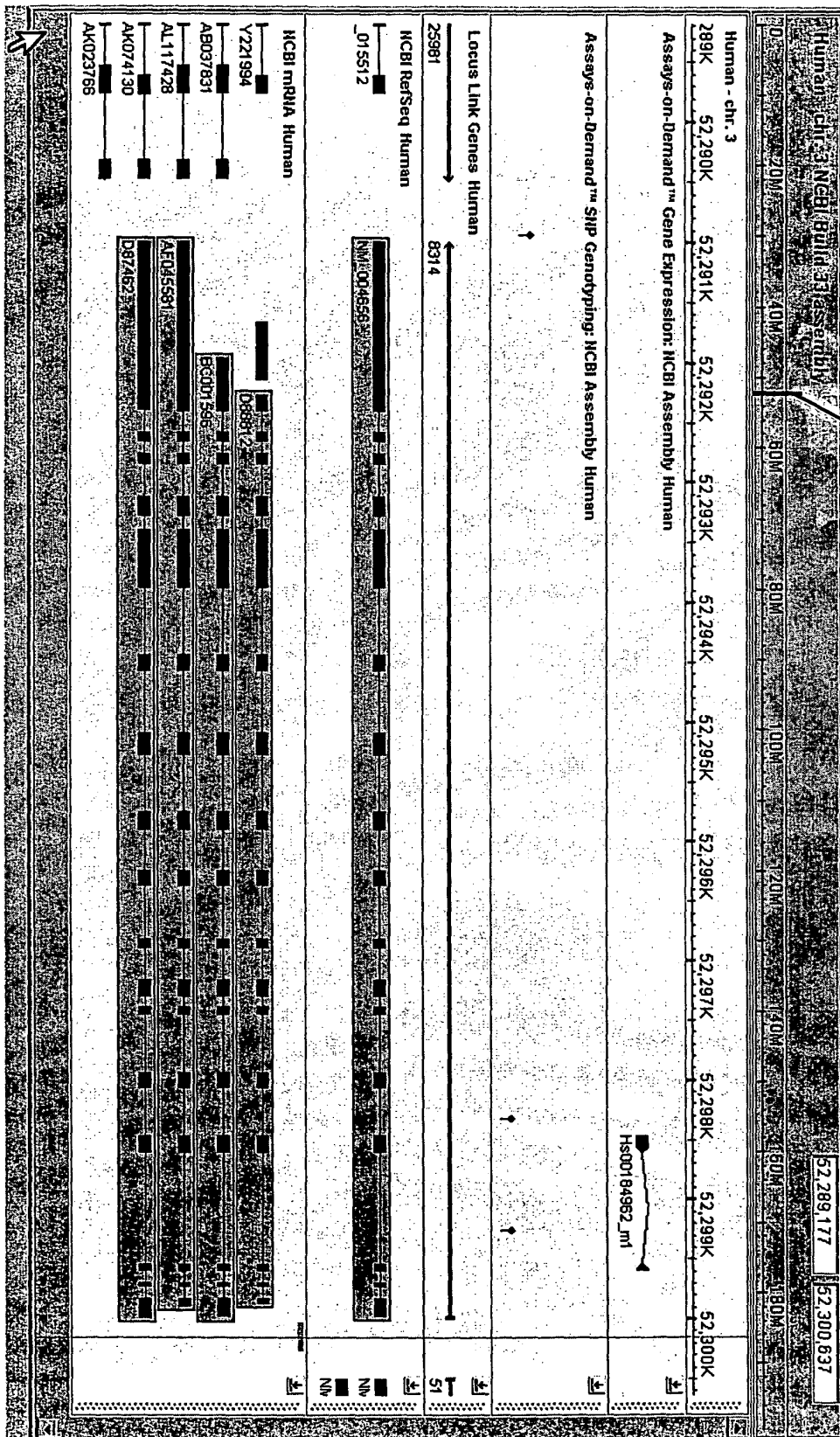


Fig. 16



Gene Expression Assays-on-Demand™ Products

Keyword Search : Results

Keyword Search : Results
Query : 'brca1*' (filters: Homo_sapiens, All Assays)

To order, check one or many assays and then click add to Shopping Basket.

[Export Results](#)
[Send To Workspace](#)
[Get Gene List for Selected Assays](#)

Hits 1-6 of 6 [page: (1)]

| Page | Assay ID | Public ID Refseq Genbank mRNA | Gene Name | Δ Gene Symbol | Function | Process | Celera ID (subscription required) | Location (cytoband) |
|-----------------------------|---------------|-------------------------------------|---|---------------|---------------------------------------|---------------------------------------|--------------------------------------|------------------------|
| <input type="checkbox"/> 1. | Hs00184962_m1 | 5 transcripts 4 genbank mRNA Ids | BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase) | BAP1 | Cysteine-type protease | Proteolysis | hCG40341 • 2 transcripts | 3p21.31-p21.2, |
| <input type="checkbox"/> 2. | Hs00184427_m1 | 2 transcriptsU7638 | BRCA1 associated RING domain 1 | BARD1 | Molecular function unclassified | Biological process unclassified | hCG14827 • hCT5848 | 2q34-q35, |

Fig. 17

Fig. 18

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Fig. 19

[Home](#) | [Products & Services](#) | [myScience](#) | [Support](#)

[ABOUT US](#) | [INVESTORS](#) | [CONTACT US](#)

[Shopping Basket](#) | [Logout Store](#) | [My Profile](#)

[main](#) | [libraries](#) | [applications](#) | [tools](#) | [workspace](#)

[options](#) | [help](#) | [logout](#)

Gene Expression

Assays-on-Demand™ Products

Keyword Search : Results

Query: 'brca1*' (filters: Homo_sapiens, All Assays)

516

518

To order, check one or many assays and then click add to Shopping Basket.

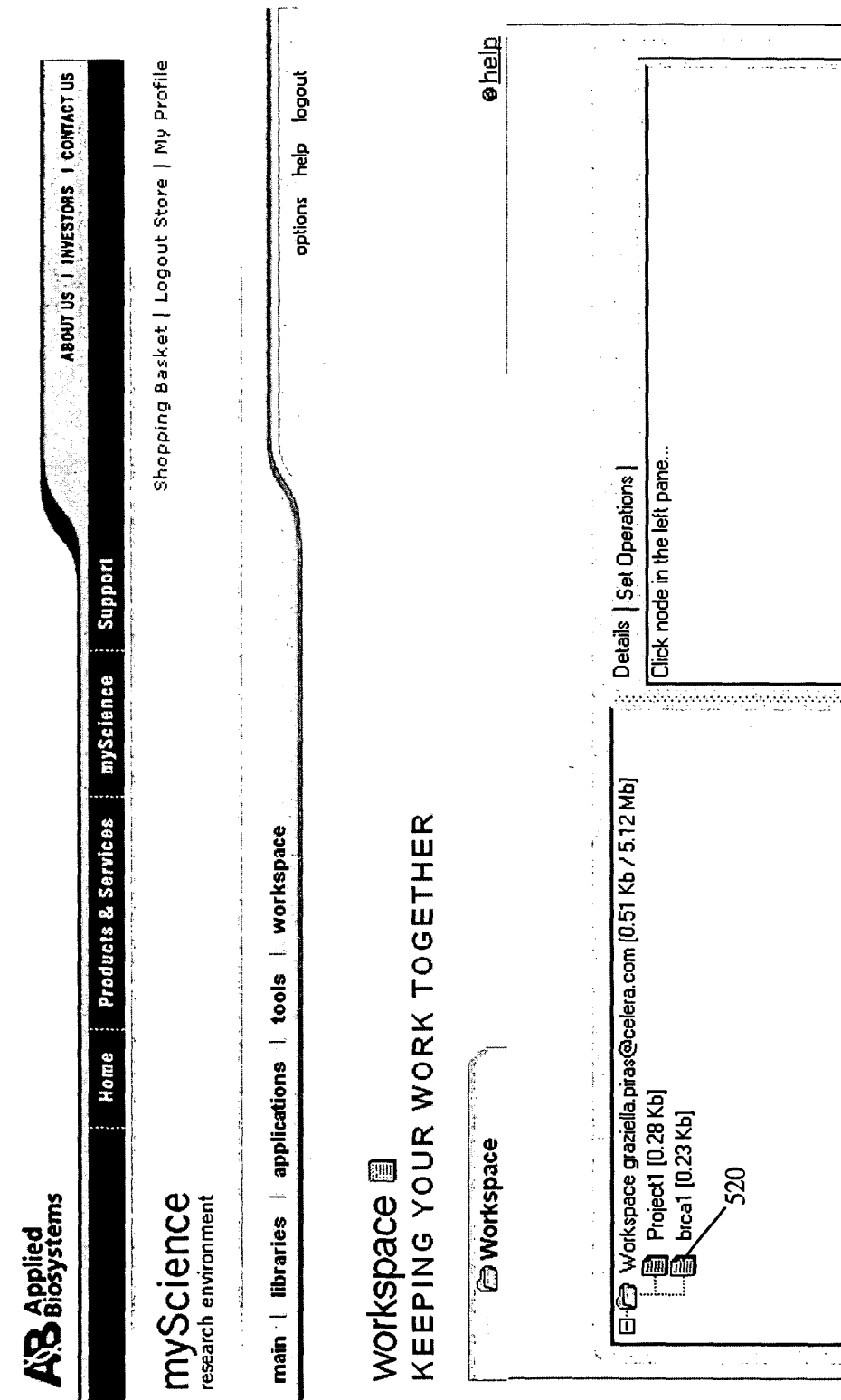
Display:

Hits 1-6 of 6 [page: (1)]

| on page | Assay ID | Public ID | Gene Name | Δ Gene Symbol | Function | Process | Celera ID | Location |
|--------------------------|------------------|-------------------------------------|---|---------------|---------------------------------|---------------------------------|-----------------------------|----------------|
| | | Refseq Genbank mRNA | | | | | (subscription required) | (cytoband) |
| <input type="checkbox"/> | 1. Hs00184962_m1 | 5 transcripts 4 genbank mRNA Ids | BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase) | BAP1 | Cysteine-type protease | Proteolysis | hCG40341 • 2 transcripts | 3p21.31-p21.2, |
| <input type="checkbox"/> | 2. Hs00184427_m1 | 2 transcriptsU76638 | BRCA1 associated RING domain 1 | BARD1 | Molecular function unclassified | Biological process unclassified | hCG14827 • hCT5848 | 2q34-q35, |

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Fig. 20



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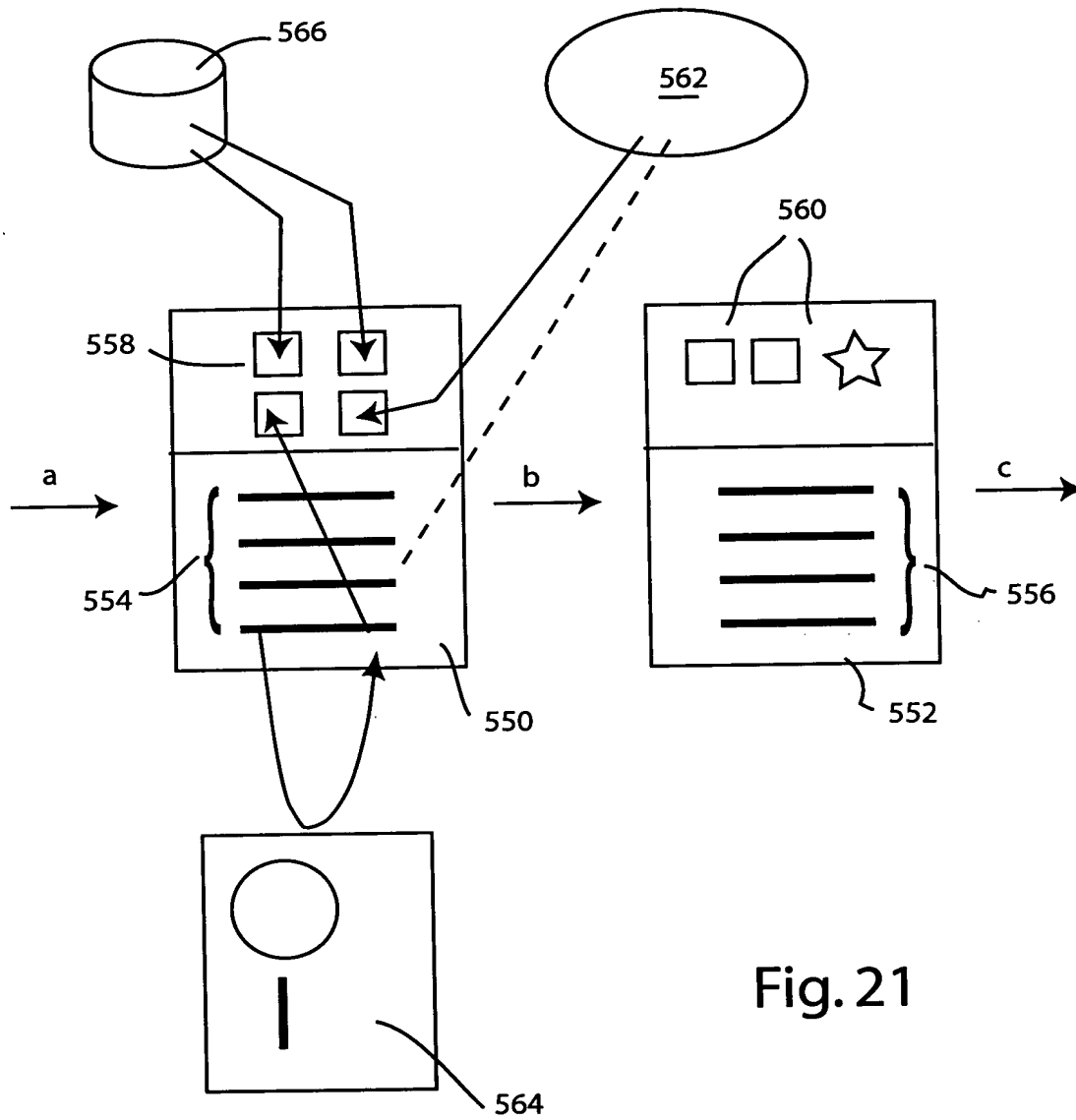


Fig. 21